Index of Claims

| Application/Control No | Appl | ication | /Contro | l No. |
|------------------------|------|---------|---------|-------|
|------------------------|------|---------|---------|-------|

10/670,426

Examiner

**Emmanuel Bayard** 

Applicant(s)/Patent under Reexamination

SILVEIRA ET AL.

Art Unit

2611

| <b>√</b> | Rejected |
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| =        | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| Z | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Clai            | m        |              |         |                 | Date     |                 |                     |               | ı r        | Cla      | im       |                 | -                  |   | Da      | ate          |              |                    |          | ГС           | aim        | Γ        |                     |          |          | Date   |          | —   | —        |   |
|-----------------|----------|--------------|---------|-----------------|----------|-----------------|---------------------|---------------|------------|----------|----------|-----------------|--------------------|---|---------|--------------|--------------|--------------------|----------|--------------|------------|----------|---------------------|----------|----------|--------|----------|---|----------|---|
|                 | <u> </u> | 10           |         | т               | <u> </u> | Ĭ               | ГТ                  | -T-           | 1          |          |          | Т               | Т                  | Т   | Ť       | Ť            | T.           |                    | $\dashv$ | <del>-</del> |            | $\vdash$ | П                   | _        |          | -au    | $\cap$   | $\Box$  | $\neg$   | _ |
| <u></u>         | Original | 2 3 2 2 10   |         |                 |          |                 |                     |               |            | ā        | Original |                 |                    |   |         |              | 1            |                    |          | ज            | Original   |          |                     |          |          |        |          |   |          | ı |
| Final           | jr.      | 20           |         |                 | i        |                 |                     |               |            | Final    | пig      |                 |                    | ı   |         |              |              |                    |          | Final        | ij         |          |                     |          |          |        |          |   | . !      | i |
|                 | 9        | En           |         |                 |          |                 |                     |               |            |          | 0        |                 |                    |   |         |              |              |                    |          |              | 0          | l        |                     | ı        |          |        |          |   | .        | ı |
|                 | 1        |              |         |                 |          |                 |                     |               | 1 [        |          | 51       |                 |                    |   | $\top$  |              | T            |                    |          |              | 101        |          |                     |          |          |        |          | П   | $\neg$   |   |
|                 | 2        | ۸            | $\perp$ |                 |          |                 |                     |               | ] [        |          | 52       |                 |                    |   |         |              | $\prod$      |                    |          |              | 102        |          | П                   |          |          |        |          |   | $\neg$   |   |
|                 | 3        | Ш            |         |                 |          |                 |                     |               | ] [        |          | 53       |                 |                    |   |         |              | П            |                    |          |              | 103        |          | П                   |          |          |        |          | П   | $\neg$   |   |
|                 | 4        | Ш            |         |                 |          |                 |                     |               | ] [        |          | 54       |                 |                    |   |         |              | $oxed{oxed}$ |                    |          |              | 104        |          |                     |          |          |        |          |   |          |   |
|                 | 5        | Ш            |         |                 |          |                 | $\Box$              |               | J L        |          | 55       |                 |                    |   |         |              |              |                    |          |              | 105        |          |                     |          |          |        |          |   |          |   |
|                 | 6        |              |         | $\perp$         | Ш        |                 |                     |               | 1          |          | 56       |                 |                    |   |         |              |              |                    |          |              | 106        |          |                     |          |          |        |          |   |          |   |
|                 | 7        | ┦-           |         | <u> </u>        |          |                 |                     |               | ↓↓         |          | 57       | Ш               | _                  | _   | _       |              | _            |                    | Ш        |              | 107        |          |                     |          |          |        |          |   |          |   |
| $\sqcup$        | 8        | $\bot$       | $\bot$  |                 |          |                 |                     |               | Į          |          | 58       |                 | _                  | _   |         | 1            | 1            |                    |          |              | 108        | <u> </u> | Ш                   |          |          |        |          |   |          |   |
| $\vdash$        | 9        | $\bot \bot$  | Ц_      | -               | _        |                 |                     | $\bot$        | ┨┟         |          | 59       |                 | $\dashv$           | _   | _ _     |              | $\perp$      | $\sqcup$           | _        |              | 109        | <u> </u> | Ш                   |          |          |        |          |   |          |   |
|                 | 10       | ₩            |         | 4               | Ш        | Щ               |                     |               | <b>↓</b>   |          | 60       | _1              | _                  | _   | 4       |              | $\perp$      | $\sqcup$           | _        |              | 110        | <u> </u> | Ш                   | _        |          |        |          | Ш   | $\Box$   |   |
|                 | 11       | ₩            | -       | $\perp$         |          | Ш               | _                   | _             | Į Ļ        |          | 61       | _               | 4                  | _   | 4       | 4            | ╄            | $\sqcup$           | _        |              | 111        |          | Ш                   |          |          |        |          |   |          |   |
|                 | 12       | ıV⊢          | +       | -               | $\vdash$ | $\vdash \vdash$ | $\vdash \downarrow$ | +             | ┧┟         |          | 62       |                 | $\dashv$           | $\dashv$  | _       | $\bot$       | $\perp$      | $\sqcup$           | _        |              | 112        |          | $\sqcup$            | _        |          |        | Ш        |   |          |   |
|                 |          | <u>v</u>     | +       | $\vdash$        |          | $\vdash$        |                     | +             | <b>∤ ├</b> |          | 63       | $\dashv$        | -                  | - -   | 4       | 4-           | ╀            | $\sqcup$           |          | <u> </u>     | 113        | <u> </u> | Ш                   | _        |          |        |          |   |          | _ |
|                 | 14       | 1            | +       | -               | $\vdash$ | $\vdash$        | $\dashv$            | $\dashv$      | ┨ ├        |          | 64       | $\vdash \vdash$ | $\dashv$           | +   | - -     |              | +-           | <del>       </del> |          | <u> </u>     | 114        | <u> </u> | $\sqcup \downarrow$ | 4        |          |        | Щ        | Щ   |          |   |
|                 | 15<br>16 | 7            | +       | $\vdash$        | -        | Н               | $\dashv$            |               | <b>∮</b>   |          | 65       | $\dashv$        | $\dashv$           | +   | +       | +-           | +            | $\vdash \vdash$    | _        |              | 115        | $\vdash$ | $\vdash \downarrow$ | _        | _        |        |          | $\dashv$  |          | _ |
| $\vdash \dashv$ | 17       | +            | +       |                 |          |                 | $\vdash$            | +             | ┨┞         |          | 66<br>67 | $\dashv$        | -                  | +   | +       | +            | +-           | $\vdash$           | -        |              | 116        |          | $\sqcup$            | 4        | _        |        | -        | $\vdash \vdash$                                   |          |   |
|                 | 18       | ₩            | +       | +               | $\vdash$ | -               | -                   |               | ┨          |          |          | -               |                    | -   | +       |              | +            | ╂                  | _        | -            | 117        | _        | $\vdash$            |          |          |        |          | $\dashv$  | 4        |   |
|                 | 19       | ₩            | +-      | ╁               | $\vdash$ | Н               | -                   |               | ┨┞         |          | 68<br>69 | $\dashv$        | -+                 | +   | +       | +-           | ┿            | ┦                  | -        |              | 118        | -        | <del>├</del> ─┼     | -        |          |        |          | Н   | _        |   |
|                 | 20       | <del>V</del> | +-      | -               |          | Н               | -                   |               | ┨┝         |          | 70       | $\vdash$        | $\dashv$           |   |         | -            | ╁            | <del>  </del>      | -        |              | 119        |          | $\vdash$            | $\dashv$ |          |        | _        | Н   | $\dashv$ |   |
|                 | 20       | =            |         | +               | $\vdash$ | $\vdash$        |                     |               | {          |          | 71       | $\vdash$        | _                  |   | ┿       | +            | +-           | $\vdash$           |          | -            | 120        | _        | $\vdash$            | $\dashv$ |          |        | $\dashv$ | $\vdash$  | $\dashv$ | _ |
|                 | 22       | =            |         | +               | $\vdash$ | Н               | -                   |               | { ⊦        |          | 72       |                 | $\dashv$           |   | ┿       | +            | +            | <del> </del>       |          | -            | 121<br>122 | _        | $\vdash \vdash$     | $\dashv$ | -        | _      | $\dashv$ | $\vdash$  | 귀        |   |
|                 | 23       | =            | +       | +               | -        |                 | -                   |               | {          |          | 73       | -               | $\dashv$           |   | +       | +            | ╁            | ╂╌┤                | -        | -            | 123        |          | $\vdash \vdash$     | $\dashv$ | -        |        | $\dashv$ | $\vdash \vdash$                                   | -        | — |
|                 | 24       | _            | +       | +               |          |                 | -                   | +             | 1          |          | 74       |                 | ┪                  | -+  | +       | +-           | ╁            | $\vdash$           | $\dashv$ | -            | 123        |          | $\vdash$            | $\dashv$ | $\dashv$ |        | $\dashv$ | $\vdash$  | $\dashv$ |   |
|                 | 25       |              | +       | 1               | -        | $\vdash$        | $\dashv$            |               | 1          | $\dashv$ | 75       | $\dashv$        | $\dashv$           | +   | ╁       | ┿            | ┿            | $\vdash$           | $\dashv$ |              | 125        | ⊢        | -                   | -        | -        |        | -        | $\vdash$  | $\dashv$ |   |
|                 | 26       | +            | +       | $\vdash$        | Н        |                 | -                   | +             | 1 }        | _        | 76       | $\dashv$        | $\dashv$           | -   | ╁       | +-           | ╁╌           | ╁╌┤                |          | $\vdash$     | 126        | ⊢        | $\vdash$            | $\dashv$ | -        |        | $\dashv$ | $\vdash$  | $\dashv$ | — |
|                 | 27       | $\dashv$     | +       | $\vdash$        | Н        | $\dashv$        | $\dashv$            | $\dashv$      | 1 1        | $\dashv$ | 77       | $\dashv$        | $\dashv$           | +   | +       | ╁            | ╁╴           | ┨                  | $\dashv$ | -            | 127        | -        | -                   | -        | $\dashv$ |        | -        | $\dashv$  | $\dashv$ |   |
|                 | 28       | _            |         |                 |          | $\vdash$        |                     |               | 1 1        |          | 78       | $\dashv$        | $\dashv$           | ╅   | +       | ╁            | ╁            | +                  | -        |              | 128        | _        | $\vdash$            | -        | $\dashv$ | -      |          | $\vdash$  | $\dashv$ |   |
|                 | 29       |              | +-      | $\vdash$        |          |                 |                     | $\dashv$      | i h        |          | 79       | -               | $\dashv$           | _   | +       | +            | +-           | $\vdash$           | $\dashv$ |              | 129        |          |                     | $\dashv$ | $\dashv$ |        |          | $\vdash$  | $\dashv$ |   |
|                 | 30       | $\neg$       | +       |                 |          |                 | $\dashv$            | $\neg$        | 1          |          | 80       | $\dashv$        | 寸                  | +   | +       | +-           | ╁            | $\vdash$           | -        |              | 130        |          | $\vdash$            | -        | $\neg$   |        |          | $\vdash$  | $\dashv$ | _ |
|                 | 31       |              | _       |                 |          |                 | 寸                   | 1             | 1          |          | 81       |                 | $\dashv$           |   | +       | +-           | ╁╴           | $\vdash$           |          |              | 131        |          | $\vdash$            | ᅱ        | -        |        |          | H   | -        |   |
|                 | 32       | $\top$       |         | П               |          |                 |                     |               | 1          |          | 82       |                 | $\dashv$           | $\dashv$  | +       | +            | T            | 1                  | $\neg$   |              | 132        | _        | $\vdash$            | ┪        |          | _      |          | $\dashv$  | $\dashv$ |   |
|                 | 33       |              | $\top$  | П               |          |                 |                     | $\neg \vdash$ | 1 Γ        |          | 83       |                 | 丁                  | $\top$  | $\top$  | $\top$       | T            | П                  |          |              | 133        |          | H                   | 寸        | $\neg$   | $\neg$ | $\neg$   | 一   | $\dashv$ | _ |
|                 | 34       |              |         |                 |          |                 |                     |               | 1          |          | 84       |                 | $\neg$             | $\neg$  | 1       | $\top$       | $\top$       | $\vdash$           | $\dashv$ |              | 134        |          | $\sqcap$            | 7        | $\neg$   | $\neg$ | $\neg$   | $\Box$  | $\dashv$ |   |
|                 | 35       |              |         |                 |          |                 |                     |               | ] [        |          | 85       |                 | $\Box$             |   |         | T            | T            | П                  | $\neg$   |              | 135        |          |                     | 7        | $\neg$   |        |          | $\Box$  | $\dashv$ | _ |
|                 | 36       |              | Ι       |                 |          |                 |                     |               | ] [        |          | 86       | $\Box$          | _1                 | _   | $\neg$  | $\top$       | T            | П                  | $\dashv$ |              | 136        |          | $\Box$              | ┪        | $\neg$   |        | $\neg$   | $\neg$  | $\dashv$ | _ |
|                 | 37       |              |         |                 |          |                 |                     |               |            |          | 87       |                 |                    |   | $\Box$  |              |              |                    | $\Box$   |              | 137        |          | T                   | _        |          | $\neg$ |          | 一   | コ        | _ |
|                 | 38       |              |         |                 |          |                 | $\Box$              |               | ] [        |          | 88       |                 |                    | $\perp$   | J       | $\prod$      | Ι            |                    |          |              | 138        |          |                     |          |          | $\neg$ |          | 一   | ヿ        |   |
|                 | 39       |              |         |                 |          |                 | $\Box$              |               |            |          | 89       |                 | $\Box$             | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |         | I            |              |                    |          |              | 139        |          |                     |          |          |        |          | 一   |          | _ |
|                 | 40       |              | 1       | $\sqcup$        |          |                 |                     |               |            |          | 90       |                 | $oldsymbol{\perp}$ | $\Box$  | $\perp$ |              |              |                    |          |              | 140        |          |                     |          |          |        |          |   |          |   |
|                 | 41       |              | 1       | Ш               |          | $\Box$          | $\perp$             |               | ĮĹ         |          | 91       | _[              | $\perp$            | $oxed{\Box}$                                      | $\perp$ | $oxed{\Box}$ |              |                    |          |              | 141        |          |                     | I        |          |        |          |   |          |   |
|                 | 42       | $\perp$      | $\perp$ | Ш               |          |                 | _                   |               |            |          | 92       | $\perp$         | _[                 | $\perp$   | $\perp$ |              |              | $\Box$             |          |              | 142        |          |                     | floor    |          |        |          |   |          |   |
|                 | 43       |              | $\bot$  | Ш               | $\perp$  | $\Box$          | _                   |               | l L        |          | 93       | $\dashv$        | $\perp$            | $\perp$   | $\perp$ | L            |              |                    | _]       |              | 143        |          | $\Box$              | [        |          |        |          | $\Box$  |          |   |
|                 | 44       |              | 4       | $\sqcup$        | _        | $\dashv$        | _                   | $\perp$       | l ⊢        |          | 94       | _               | _                  | $\perp$   | $\bot$  | ↓.           | _            |                    | $\Box$   |              | 144        |          |                     | _        |          |        | _]       | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ | ]        |   |
|                 | 45       | _            | ┼-      | Ш               | _        | _               | 4                   | 4             |            |          | 95       | 4               | $\perp$            |   | 4       | $\perp$      | $\downarrow$ | $\sqcup$           | _        | <u> </u>     | 145        |          | Ш                   | _        |          |        | _]       |   | ]        |   |
|                 | 46       | _            | +-      | $\sqcup$        | _        | _               |                     | +             | <b>!</b>   |          | 96       | $\dashv$        | $\rightarrow$      | _ _   | 4       | $\perp$      | <b>_</b>     | Ш                  | _        |              | 146        |          | $\sqcup$            | _        |          |        |          | $\Box$  | $\Box$   |   |
|                 | 47       | -            | +       | $\vdash \vdash$ |          |                 | $\dashv$            | 4             | -          |          | 97       | $\dashv$        | -                  | _   | 4       | $\bot$       | ↓_           | Ш                  | _        |              | 147        |          | $\sqcup$            | $\perp$  |          | _      | _        |   |          |   |
|                 | 48       | -            | +-      | $\vdash$        |          | _               | -                   |               | -          |          | 98       | -               | +                  | - -   | 4-      | +            | ـ            | $\sqcup$           | _        | -            | 148        | $\Box$   | $\sqcup$            | 4        |          | _      | _        | _   | _        |   |
| -+              | 49<br>50 | -            | +-      | $\vdash$        | -        |                 | +                   | +             | -          |          | 99       | $\dashv$        | -                  |   | +       | +-           | ╄            | $\vdash$           | _        | <u> </u>     | 149        | _        | $\vdash$            | 4        | _        |        | _        | _   | 4        |   |
|                 | JU       |              |         | Ш               |          |                 |                     |               | L          |          | 100      |                 | L                  |   |         |              | <u></u>      |                    |          | L            | 150        |          | LL                  |          |          |        |          |   | $\perp$  |   |